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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 15, No. 9

WEEKLY REPORT

Week Ending March 5, 1966

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

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MEASLES – ISABELLA COUNTY, MICHIGAN

Beginning December 2, 1965, an increased incidence of measles was reported from Isabella County, Michigan (population 35,348). A total of 22 cases was reported in December and 52 additional cases by mid-January. These included two patients hospitalized with measles encephalitis, and one patient with brochopneumonia. A plan was developed to contain the epidemic as a community effort of the physicians of the Central Michigan Community Hospital, the Central Michigan Health District, the United Fund of Isabella County, and numerous civic and student groups.

A survey of absenteeism due to measles in kindergarten through the second grades of the eight schools in Mt. Pleasant (population 14,875) and the 12 county schools revealed an additional 224 cases known to the schools to have occurred from December 1, 1965, to January 14, 1966. Six of the eight city schools had from 16 to 40 cases each, while the other two schools had 1 and 2 cases respectively. Six of the 12 county schools reported measles absences; 3 county schools had 12 cases or more. *(Continued on page 74)*

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	9th WEEK ENDED		MEDIAN 1961–1965	CUMULATIVE, FIRST 9 WEEKS		
	MARCH 5, 1966	MARCH 6, 1965		1966	1965	MEDIAN 1961–1965
Aseptic meningitis	29	29	23	256	249	210
Brucellosis	3	4	10	31	32	55
Diphtheria	4	3	5	24	31	55
Encephalitis, primary:						
Arthropod-borne & unspecified	19	38	---	203	262	---
Encephalitis, post-infectious	20	17	---	138	115	---
Hepatitis, serum	21	720	1,215	186	7,044	10,117
Hepatitis, infectious	782			6,452		
Measles (rubeola)	8,664	9,396	13,980	56,969	70,911	86,933
Poliomyelitis, Total (including unspecified)	–	–	1	2	2	29
Paralytic	–	–	1	1	2	25
Nonparalytic	–	–	---	–	–	---
Meningococcal infections, Total	126	118	57	815	702	504
Civilian	111	101	---	689	652	---
Military	15	17	---	126	50	---
Rubella (German measles)	1,485	---	---	9,742	---	---
Streptococcal sore throat & Scarlet fever	13,089	12,202	12,024	97,301	98,291	86,847
Tetanus	1	5	---	19	35	---
Tularemia	2	2	---	38	40	---
Typhoid fever	8	8	8	45	61	61
Typhus, tick-borne (Rky. Mt. Spotted fever)	–	–	---	7	6	---
Rabies in Animals	73	100	81	640	873	589

NOTIFIABLE DISEASES OF LOW FREQUENCY

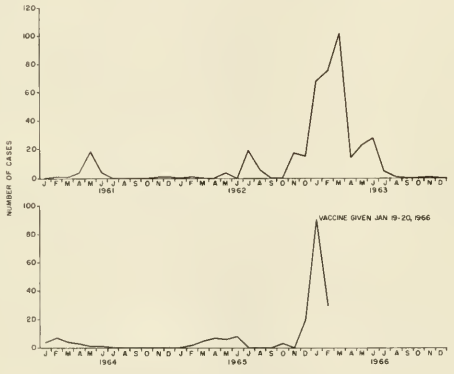
	Cum.		Cum.
Anthrax	1	Botulism	1
Leptospirosis	8	Trichinosis	18
Malaria: Utah - 1, Va. - 1, Minn. - 1, Calif. - 1	46	Rabies in Man	–
Psittacosis: Ariz. - 3	11	Rubella, Congenital Syndrome: Pa. - 4	6
Typhus, murine	1		

MEASLES – ISABELLA COUNTY, MICHIGAN

(Continued from front page)

Figure 1 shows the monthly incidence of reported measles from January 1961 through February 1966. The last major measles epidemic began in November 1962, and reached a peak over the 3-month period of January through March 1963, with increased measles incidence persisting through June. A total of 349 cases was reported during this 8-month period.

FIGURE 1
REPORTED CASES OF MEASLES BY MONTH
ISABELLA COUNTY, MICHIGAN
JANUARY 1961 – FEBRUARY 1966



Five measles immunization centers were established. The clinics were staffed by volunteer physicians, public health nurses from the local and State health departments, volunteer registered and practical nurses, and volunteer clerical personnel. The vaccine was offered free of charge to all children who had not had vaccine or prior measles. A request was made for a contribution of at least $1.00. A total of 2,074 children from 1 to 8 years of age received Schwarz strain measles vaccine in the 2-day campaign.

Table 1 presents the number of children immunized and the population estimates by age group based on the 1960 school census. Nearly 40 percent of the children from 1 to 8 years of age were immunized.

Gamma globulin furnished by the Michigan Department of Public Health was made available to practicing physicians for children known to have had a close exposure to a case of measles (for example, a household or intimate playmate contact, excluding casual school contacts). A summary of the distribution of gamma globulin by month is as follows: November – 54 cc; December – 378 cc; January – 442 cc; February – 114 cc. During the period January 20 to February 15, a total of 54 cases of measles was reported through routine channels. However, all but one of these children became ill in January.

On February 15, 1966, a second school survey for absenteeism due to measles revealed that 89 cases had occurred between January 19 and February 15. Twenty-seven of these children had not had vaccine in the campaign; 62 school children developed measles from 2 to 12 days following vaccination, as shown in Table 2. No school cases occurred among those vaccinated after January 31, 1966. From February 15 to March 1, only three cases of measles have been reported. No gamma globulin for measles exposure has been requisitioned from the Health Department since mid-February.

(Reported by Dr. George Agate, State Epidemiologist, Michigan Department of Public Health; Dr. E.J. Brenner, Director, Mrs. Louise Eppel, R.N., Mr. Kent L. Gray, Health Educator, Central Michigan District Health Department; Dr. Andrew V. Bedo, Central Michigan Community Hospital, Mt. Pleasant; and an EIS Officer.)

Table 1
Measles in Isabella County, Michigan

Age	Population	Number Immunized	Percent Immunized
1-4	2,659	1,094	41
5	668	251	38
6	715	294	41
7	718	263	37
8	681	172	25
Total	5,441	2,074	38

Table 2

Days from Measles Vaccine to Absence due to Measles	Number of Cases
0- 3	34
4- 7	19
8-12	9
13+	0

CURRENT TRENDS – MEASLES

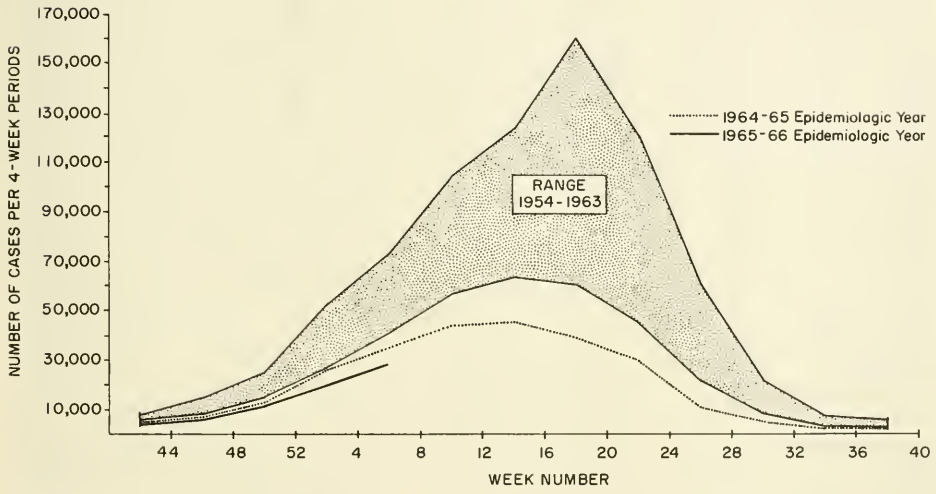
During the 4-week period ending February 26, 1966, a total of 28,234 cases of measles were reported, an increase of 8,170 cases over the total notified during the preceding 4-week period. The comparable total for the

second 4-week period in 1965 was 35,117, which was 6,883 more than were reported in 1966 (Figure 2). Nine States reported more than 1,000 cases during the last 4 weeks: Wisconsin (5,640), Illinois (2,838), Texas (2,392), New York (2,269), Michigan (1,655), Tennessee (1,644), California (1,467), Kentucky (1,446), and Pennsylvania (1,138).

A total of 32 cases of post-measles encephalitis has been reported to date in 1966, 10 of which occurred during the first 4 weeks and 22 cases during the second 4 weeks. Illinois has had 10 cases, Kentucky 6, California 5, Michigan 3, Minnesota and Pennsylvania 2 each, and New York, Tennessee, Louisiana and Texas, 1 each. In the comparable periods in 1965 and 1964, there were 14 and 7 cases respectively.

(Reported by the Childhood Virus Disease Unit, CDC.)

FIGURE 2
MEASLES REPORTED BY FOUR-WEEK PERIODS – UNITED STATES
EPIDEMIOLOGIC YEARS, 1964-65 AND 1965-66
COMPARED WITH 10-YEAR PERIOD, 1954-1963



CURRENT TRENDS – INFLUENZA

At the present time, there have been reports of confirmed type B influenza outbreaks in 15 States, primarily in the eastern part of the country, of type A outbreaks in two States; and of influenza-like illnesses in an additional five States.

Since publication of the summary table of States reporting laboratory confirmed outbreaks of influenza (MMWR, Vol. 15, No. 8), five States (New York, Pennsylvania, Virginia, Michigan, and Oregon) have reported laboratory confirmed type B influenza as the cause of primarily scattered outbreaks. Idaho has reported serological confirmation of type A influenza infection in one part of the State, and Nevada recognizes evidence of influenza-like illness although laboratory confirmation is not yet available.

Although no associated outbreaks have been reported, influenza viruses have been recovered from individual cases in three States: Illinois – type B, Iowa – type A2, Michigan – type A2.

Pneumonia-influenza mortality reported from 122 United States cities has increased slightly in the last week, influenced primarily by the substantial increase in the number of deaths notified from the Pacific Division.

(Compiled by the Influenza-Respiratory Disease Unit, CDC, from reports provided by State Health Departments and reports received from the WHO International Influenza Center for the Americas, CDC.)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 5, 1966 AND MARCH 6, 1965 (9th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	ENCEPHALITIS			DIPHTHERIA		HEPATITIS		
				Primary including unsp. cases		Post-Infectious			Serum	Infectious	8oth Types
	1966	1965	1966	1966	1965	1966	1966	1965	1966	1966	1965
UNITED STATES...	29	29	3	19	38	20	4	3	21	782	720
NEW ENGLAND.....	-	-	-	-	1	1	-	-	1	25	38
Maine.....	-	-	-	-	-	-	-	-	-	9	9
New Hampshire.....	-	-	-	-	-	-	-	-	-	3	-
Vermont.....	-	-	-	-	-	-	-	-	-	2	1
Massachusetts.....	-	-	-	-	1	1	-	-	-	8	13
Rhode Island.....	-	-	-	-	-	-	-	-	1	2	4
Connecticut.....	-	-	-	-	-	-	-	-	-	1	11
MIDDLE ATLANTIC.....	1	-	1	6	8	3	-	-	13	119	126
New York City.....	-	-	1	3	3	-	-	-	8	19	23
New York, Up-State.	1	-	-	-	-	1	-	-	1	31	63
New Jersey.....	-	-	-	3	4	-	-	-	2	19	15
Pennsylvania.....	-	-	-	-	1	2	-	-	2	50	25
EAST NORTH CENTRAL...	5	4	-	3	4	5	-	-	2	213	127
Ohio.....	-	-	-	2	3	-	-	-	1	36	55
Indiana.....	2	-	-	-	-	-	-	-	-	7	13
Illinois.....	1	1	-	-	1	3	-	-	-	47	14
Michigan.....	2	3	-	1	-	2	-	-	1	115	41
Wisconsin.....	-	-	-	-	-	-	-	-	-	8	4
WEST NORTH CENTRAL...	1	3	2	2	4	-	1	-	1	37	45
Minnesota.....	1	3	-	-	1	-	-	-	1	5	4
Iowa.....	-	-	1	1	-	-	-	-	-	15	13
Missouri.....	-	-	1	-	-	-	-	-	-	16	8
North Dakota.....	-	-	-	-	-	-	-	-	-	-	2
South Dakota.....	-	-	-	-	2	-	1	-	-	-	-
Nebraska.....	-	-	-	1	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	1	-	-	-	-	1	18
SOUTH ATLANTIC.....	4	5	-	1	8	-	1	-	-	84	85
Delaware.....	1	1	-	-	-	-	-	-	-	-	4
Maryland.....	-	-	-	1	-	-	-	-	-	18	17
Dist. of Columbia..	1	-	-	-	-	-	-	-	-	-	1
Virginia.....	-	1	-	-	1	-	-	-	-	22	30
West Virginia.....	-	-	-	-	-	-	-	-	-	6	12
North Carolina.....	-	-	-	-	-	-	-	-	-	11	5
South Carolina.....	1	-	-	-	-	-	-	-	-	2	1
Georgia.....	-	-	-	-	-	-	-	-	-	3	2
Florida.....	1	3	-	-	7	-	1	-	-	22	13
EAST SOUTH CENTRAL...	3	5	-	-	-	-	1	-	-	84	58
Kentucky.....	1	5	-	-	-	-	-	-	-	47	18
Tennessee.....	1	-	-	-	-	-	-	-	-	28	26
Alabama.....	1	-	-	-	-	-	1	-	-	5	9
Mississippi.....	-	-	-	-	-	-	-	-	-	4	5
WEST SOUTH CENTRAL...	7	5	-	3	-	4	-	1	1	70	53
Arkansas.....	-	-	-	1	-	1	-	-	-	8	4
Louisiana.....	2	-	-	-	-	1	-	-	-	11	11
Oklahoma.....	-	2	-	-	-	-	-	-	-	-	3
Texas.....	5	3	-	2	-	2	-	1	1	51	35
MOUNTAIN.....	1	1	-	2	5	-	-	-	-	32	50
Montana.....	-	-	-	1	-	-	-	-	-	4	8
Idaho.....	-	-	-	-	-	-	-	-	-	1	3
Wyoming.....	-	-	-	1	-	-	-	-	-	4	1
Colorado.....	-	1	-	-	4	-	-	-	-	8	14
New Mexico.....	-	-	-	-	1	-	-	-	-	7	8
Arizona.....	1	-	-	-	-	-	-	-	-	6	7
Utah.....	-	-	-	-	-	-	-	-	-	2	8
Nevada.....	-	-	-	-	-	-	-	-	-	-	1
PACIFIC.....	7	6	-	2	8	7	1	2	3	118	138
Washington.....	-	-	-	-	1	-	-	-	-	5	5
Oregon.....	-	-	-	-	1	-	-	-	-	10	12
California.....	5	6	-	2	4	7	1	2	3	101	110
Alaska.....	-	-	-	-	-	-	-	-	-	2	11
Hawaii.....	2	-	-	-	2	-	-	-	-	-	-
Puerto Rico.....	-	-	-	-	-	-	-	-	-	12	28

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 5, 1966 AND MARCH 6, 1965 (9th WEEK) - Continued

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS				RUBELLA
							Total		Paralytic		
	1966	Cumulative		1966	Cumulative		1966	1965	1966	Cumulative 1966	1966
		1966	1965		1966	1965					
UNITED STATES...	8,664	56,969	70,911	126	815	702	-	-	-	1	1,485
NEW ENGLAND.....	153	720	15,775	5	45	36	-	-	-	-	157
Maine.....	34	94	1,540	-	3	6	-	-	-	-	3
New Hampshire.....	1	9	246	-	7	1	-	-	-	-	7
Vermont.....	9	153	150	-	1	-	-	-	-	-	5
Massachusetts.....	93	292	9,068	3	19	15	-	-	-	-	43
Rhode Island.....	2	36	2,003	-	2	5	-	-	-	-	-
Connecticut.....	14	136	2,768	2	13	9	-	-	-	-	99
MIDDLE ATLANTIC.....	1,017	8,040	2,647	10	97	111	-	-	-	-	68
New York City.....	524	4,018	275	-	16	17	-	-	-	-	38
New York, Up-State.	70	790	938	2	19	28	-	-	-	-	30
New Jersey.....	107	793	451	6	34	37	-	-	-	-	-
Pennsylvania.....	316	2,439	983	2	28	29	-	-	-	-	-
EAST NORTH CENTRAL...	3,610	23,424	11,955	16	124	77	-	-	-	-	533
Ohio.....	450	1,480	2,475	1	33	22	-	-	-	-	44
Indiana.....	523	1,612	607	5	16	8	-	-	-	-	71
Illinois.....	417	5,021	359	5	28	18	-	-	-	-	81
Michigan.....	501	3,461	6,154	4	35	17	-	-	-	-	161
Wisconsin.....	1,719	11,850	2,360	1	12	12	-	-	-	-	176
WEST NORTH CENTRAL...	353	2,360	5,643	8	46	34	-	-	-	-	59
Minnesota.....	80	801	140	1	9	9	-	-	-	-	6
Iowa.....	247	940	3,064	5	9	1	-	-	-	-	52
Missouri.....	3	139	717	1	16	15	-	-	-	-	-
North Dakota.....	5	443	1,547	1	3	3	-	-	-	-	1
South Dakota.....	-	2	47	-	1	2	-	-	-	-	-
Nebraska.....	18	35	128	-	2	-	-	-	-	-	-
Kansas.....	NN	NN	NN	-	6	4	-	-	-	-	-
SOUTH ATLANTIC.....	517	4,418	9,836	23	144	139	-	-	-	-	103
Delaware.....	9	57	191	-	-	3	-	-	-	-	1
Maryland.....	100	799	334	2	17	8	-	-	-	-	17
Dist. of Columbia..	38	235	12	-	-	3	-	-	-	-	-
Virginia.....	33	355	1,255	3	16	19	-	-	-	-	13
West Virginia.....	161	1,871	6,881	-	5	10	-	-	-	-	11
North Carolina.....	6	51	127	8	30	25	-	-	-	-	-
South Carolina.....	52	212	178	1	25	18	-	-	-	-	18
Georgia.....	2	93	270	6	21	22	-	-	-	-	-
Florida.....	116	745	588	3	30	31	-	-	-	-	43
EAST SOUTH CENTRAL...	972	6,838	3,756	8	71	34	-	-	-	-	81
Kentucky.....	307	2,583	273	4	43	11	-	-	-	-	17
Tennessee.....	523	3,689	2,359	4	18	14	-	-	-	-	61
Alabama.....	130	423	829	-	7	7	-	-	-	-	3
Mississippi.....	12	143	295	-	3	2	-	-	-	-	-
WEST SOUTH CENTRAL...	957	4,538	8,958	25	122	104	-	-	-	1	-
Arkansas.....	65	102	629	2	7	7	-	-	-	-	-
Louisiana.....	2	40	21	13	46	47	-	-	-	-	-
Oklahoma.....	11	58	58	1	4	10	-	-	-	1	-
Texas.....	879	4,338	8,250	9	65	40	-	-	-	-	-
MOUNTAIN.....	443	2,583	5,905	3	32	34	-	-	-	-	140
Montana.....	29	408	1,746	-	2	-	-	-	-	-	6
Idaho.....	38	344	918	1	1	4	-	-	-	-	-
Wyoming.....	24	45	176	-	1	1	-	-	-	-	-
Colorado.....	10	233	910	2	19	8	-	-	-	-	15
New Mexico.....	22	64	125	-	4	4	-	-	-	-	-
Arizona.....	316	1,393	174	-	4	11	-	-	-	-	114
Utah.....	4	92	1,808	-	-	4	-	-	-	-	5
Nevada.....	-	4	48	-	1	2	-	-	-	-	-
PACIFIC.....	642	4,048	6,436	28	134	133	-	-	-	-	344
Washington.....	125	1,074	2,042	1	9	7	-	-	-	-	186
Oregon.....	34	320	1,034	-	5	11	-	-	-	-	26
California.....	480	2,614	2,666	27	110	113	-	-	-	-	124
Alaska.....	2	10	65	-	8	1	-	-	-	-	2
Hawaii.....	1	30	629	-	2	1	-	-	-	-	6
Puerto Rico.....	91	589	297	-	-	2	-	-	-	-	4

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 5, 1966 AND MARCH 6, 1965 (9th WEEK) - Continued

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES...	13,089	1	19	2	38	8	45	-	7	73	640
NEW ENGLAND.....	1,886	-	2	-	1	-	2	-	-	-	5
Maine.....	180	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	69	-	-	-	-	-	-	-	-	-	1
Vermont.....	80	-	-	-	-	-	-	-	-	-	4
Massachusetts.....	417	-	2	-	1	-	-	-	-	-	-
Rhode Island.....	56	-	-	-	-	-	-	-	-	-	-
Connecticut.....	1,084	-	-	-	-	-	2	-	-	-	-
MIDDLE ATLANTIC.....	469	-	3	-	-	3	12	-	1	4	55
New York City.....	34	-	3	-	-	-	5	-	-	-	-
New York, Up-State.	314	-	-	-	-	1	3	-	-	4	53
New Jersey.....	NN	-	-	-	-	1	3	-	-	-	-
Pennsylvania.....	121	-	-	-	-	1	1	-	1	-	2
EAST NORTH CENTRAL...	1,904	-	-	-	11	2	8	-	-	12	73
Ohio.....	200	-	-	-	3	2	5	-	-	9	40
Indiana.....	516	-	-	-	2	-	1	-	-	1	10
Illinois.....	313	-	-	-	5	-	-	-	-	2	6
Michigan.....	572	-	-	-	-	-	1	-	-	-	8
Wisconsin.....	303	-	-	-	1	-	1	-	-	-	9
WEST NORTH CENTRAL...	501	-	1	1	3	1	3	-	1	12	164
Minnesota.....	106	-	-	-	-	-	-	-	-	1	30
Iowa.....	187	-	-	-	-	-	-	-	-	5	35
Missouri.....	9	-	1	1	1	1	2	-	-	6	72
North Dakota.....	39	-	-	-	-	-	-	-	-	-	3
South Dakota.....	20	-	-	-	-	-	-	-	-	-	17
Nebraska.....	7	-	-	-	-	-	-	-	-	-	2
Kansas.....	133	-	-	-	2	-	1	-	1	-	5
SOUTH ATLANTIC.....	1,236	1	5	-	5	-	8	-	5	11	86
Delaware.....	22	-	-	-	-	-	-	-	-	-	-
Maryland.....	207	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-
Virginia.....	338	-	-	-	2	-	5	-	1	8	67
West Virginia.....	360	-	-	-	1	-	1	-	-	1	7
North Carolina.....	15	-	-	-	2	-	1	-	3	-	-
South Carolina.....	89	-	1	-	-	-	-	-	-	-	-
Georgia.....	5	-	2	-	-	-	-	-	1	2	9
Florida.....	200	1	2	-	-	-	1	-	-	-	3
EAST SOUTH CENTRAL...	1,825	-	-	1	11	-	3	-	-	15	107
Kentucky.....	293	-	-	-	2	-	-	-	-	2	15
Tennessee.....	1,342	-	-	-	6	-	3	-	-	13	90
Alabama.....	129	-	-	1	3	-	-	-	-	-	2
Mississippi.....	61	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	1,317	-	5	-	5	-	1	-	-	14	112
Arkansas.....	-	-	-	-	4	-	-	-	-	3	11
Louisiana.....	2	-	4	-	-	-	-	-	-	-	7
Oklahoma.....	60	-	-	-	-	-	1	-	-	1	8
Texas.....	1,255	-	1	-	1	-	-	-	-	10	86
MOUNTAIN.....	1,786	-	-	-	1	1	4	-	-	2	7
Montana.....	-	-	-	-	-	-	-	-	-	-	1
Idaho.....	163	-	-	-	-	-	-	-	-	-	-
Wyoming.....	138	-	-	-	-	-	-	-	-	-	-
Colorado.....	881	-	-	-	-	1	2	-	-	1	1
New Mexico.....	259	-	-	-	-	-	-	-	-	-	-
Arizona.....	143	-	-	-	-	-	1	-	-	1	5
Utah.....	200	-	-	-	1	-	1	-	-	-	-
Nevada.....	2	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	2,165	-	3	-	1	1	4	-	-	3	31
Washington.....	768	-	-	-	-	-	-	-	-	-	-
Oregon.....	40	-	-	-	-	1	1	-	-	-	-
California.....	1,240	-	3	-	1	-	3	-	-	3	31
Alaska.....	55	-	-	-	-	-	-	-	-	-	-
Hawaii.....	62	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	9	1	2	-	-	-	1	-	-	-	1

Week No. 9

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MARCH 5, 1966

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza	Under 1 year
	All Ages	65 years and over	All Ages	All Causes
NEW ENGLAND:	792	502	53	35
Boston, Mass.	273	168	13	14
Bridgeport, Conn.	44	25	5	1
Cambridge, Mass.	45	31	-	1
Fall River, Mass.	30	20	1	2
Hartford, Conn.	50	34	5	3
Lowell, Mass.*	28	19	3	1
Lynn, Mass.	19	10	-	-
New Bedford, Mass.	28	17	1	-
New Haven, Conn.	51	27	1	2
Providence, R. I.	59	40	5	5
Somerville, Mass.	14	12	-	-
Springfield, Mass.	57	38	10	2
Waterbury, Conn.	36	28	1	-
Worcester, Mass.	58	33	8	4
MIDDLE ATLANTIC:	3,536	2,124	170	167
Albany, N. Y.	74	50	1	5
Allentown, Pa.	23	17	2	-
Buffalo, N. Y.	186	115	6	11
Camden, N. J.	41	21	1	3
Elizabeth, N. J.	37	25	3	1
Erie, Pa.	44	31	4	3
Jersey City, N. J.	59	36	5	3
Newark, N. J.	134	60	4	11
New York City, N. Y.	1,704	1,018	74	79
Paterson, N. J.	35	27	4	-
Philadelphia, Pa.	598	360	25	30
Pittsburgh, Pa.	194	106	2	4
Reading, Pa.	58	45	2	1
Rochester, N. Y.	110	64	11	7
Schenectady, N. Y.	27	13	1	-
Scranton, Pa.	28	17	1	1
Syracuse, N. Y.	55	38	5	5
Trenton, N. J.	55	28	7	1
Utica, N. Y.	32	26	7	-
Yonkers, N. Y.	42	27	5	2
EAST NORTH CENTRAL:	2,696	1,546	127	156
Akron, Ohio	59	36	-	3
Canton, Ohio	36	19	6	1
Chicago, Ill.	764	422	37	45
Cincinnati, Ohio	153	92	7	9
Cleveland, Ohio	238	127	4	20
Columbus, Ohio	155	84	5	8
Dayton, Ohio	92	58	14	6
Detroit, Mich.	392	221	18	21
Evansville, Ind.	39	27	-	1
Flint, Mich.	38	24	1	1
Fort Wayne, Ind.	47	26	2	1
Gary, Ind.	26	12	-	3
Grand Rapids, Mich.	52	34	6	3
Indianapolis, Ind.	150	85	7	7
Madison, Wis.	40	19	-	5
Milwaukee, Wis.	138	74	5	9
Peoria, Ill.	27	19	1	1
Rockford, Ill.	25	14	2	4
South Bend, Ind.	57	39	4	1
Toledo, Ohio	116	80	3	5
Youngstown, Ohio	52	34	5	2
WEST NORTH CENTRAL:	920	550	38	46
Des Moines, Iowa	72	47	3	3
Duluth, Minn.*	30	20	-	1
Kansas City, Kans.	41	18	4	3
Kansas City, Mo.	140	84	1	9
Lincoln, Nebr.	33	21	1	3
Minneapolis, Minn.	112	78	7	3
Omaha, Nebr.	101	51	4	6
St. Louis, Mo.	277	161	13	11
St. Paul, Minn.	68	43	1	2
Wichita, Kans.	46	27	4	5
SOUTH ATLANTIC:	1,196	605	53	67
Atlanta, Ga.	136	64	5	8
Baltimore, Md.	247	112	5	11
Charlotte, N. C.	52	27	2	3
Jacksonville, Fla.	79	40	5	6
Miami, Fla.	94	52	2	2
Norfolk, Va.	53	24	4	5
Richmond, Va.	92	46	-	10
Savannah, Ga.	39	19	4	2
St. Petersburg, Fla.	91	74	4	-
Tampa, Fla.	75	39	7	5
Washington, D. C.	191	87	9	10
Wilmington, Del.	47	21	6	5
EAST SOUTH CENTRAL:	670	360	42	35
Birmingham, Ala.	102	56	2	5
Chattanooga, Tenn.	49	29	1	-
Knoxville, Tenn.	39	20	3	3
Louisville, Ky.	163	91	16	5
Memphis, Tenn.	114	62	6	9
Mobile, Ala.	59	30	-	3
Montgomery, Ala.	43	24	5	4
Nashville, Tenn.	101	48	9	6
WEST SOUTH CENTRAL:	1,256	633	65	102
Austin, Tex.	36	26	4	2
Baton Rouge, La.	57	26	1	5
Corpus Christi, Tex.	31	16	1	1
Dallas, Tex.	177	88	11	17
El Paso, Tex.	50	21	3	5
Fort Worth, Tex.	85	44	3	6
Houston, Tex.	223	122	13	14
Little Rock, Ark.	71	34	4	9
New Orleans, La.	186	75	5	16
Oklahoma City, Okla.	93	46	1	8
San Antonio, Tex.	110	64	4	4
Shreveport, La.	61	30	2	10
Tulsa, Okla.	76	41	13	5
MOUNTAIN:	483	265	25	26
Albuquerque, N. Mex.	56	25	12	7
Colorado Springs, Colo.	14	11	1	-
Denver, Colo.	126	63	3	8
Ogden, Utah	30	19	1	1
Phoenix, Ariz.	136	70	5	5
Pueblo, Colo.	14	6	1	1
Salt Lake City, Utah	52	35	1	2
Tucson, Ariz.	55	36	1	2
PACIFIC:	2,091	1,330	142	82
Berkeley, Calif.	36	30	2	-
Fresno, Calif.	71	44	17	2
Glendale, Calif.	35	21	2	2
Honolulu, Hawaii	57	35	1	3
Long Beach, Calif.	126	91	7	1
Los Angeles, Calif.	501	297	42	21
Oakland, Calif.	153	98	8	10
Pasadena, Calif.	56	43	1	1
Portland, Oreg.	122	79	-	6
Sacramento, Calif.	98	62	4	8
San Diego, Calif.	147	89	4	5
San Francisco, Calif.	311	206	17	9
San Jose, Calif.	63	42	19	3
Seattle, Wash.	198	114	12	5
Spokane, Wash.*	67	49	3	2
Tacoma, Wash.	50	30	3	4
Total	13,640	7,915	715	716

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	119,875
All Causes, Age 65 and over	69,441
Pneumonia and Influenza, All Ages	5,776
All Causes, Under 1 Year of Age	6,225

INTERNATIONAL NOTES

SMALLPOX SURVEILLANCE – Canada

On November 29, 1965, a mother and her son arrived in Winnipeg, Canada, from London, on an international flight which originated in East Pakistan. As these passengers had come from a declared smallpox "local infected area" in East Pakistan, a surveillance certificate was issued by the Winnipeg International Airport quarantine officer. A copy of this certificate was sent to the Winnipeg City Health Department which, in turn, sent a letter to the new arrivals requesting them to report any illness occurring within 14 days of entry to Canada.

Both travellers had been vaccinated on November 20 and had presented valid international certificates of vaccination against smallpox on arrival. Each of them also had two well defined scars which were shown in evidence of successful vaccinations prior to those performed on November 20.

On December 3, the day after receiving the letter from the City Health Department, the husband telephoned the Department, from a lodging house in which the family was living, to report that both his wife and son were suffering from an itchy rash. The rash had been present before leaving Pakistan but had suddenly become worse the day after arriving in Canada.

Medical examination revealed little constitutional disturbance although each patient had a generalized but discrete pustular rash with some localization on one of the boy's knees and on the palm of the mother's left hand. Other lesions on the anterior surface of the child's wrists and on the mother's toes and hands were suggestive scabies. However, a provisional diagnosis of eczema vaccinatum was made and, in view of the history and nature of the rash, it was clearly necessary to regard the condition as modified smallpox until proved otherwise. Accordingly the two patients and the father were quarantined in special hospital accommodation and all primary contacts in the lodging house were identified, vaccinated, and put under surveillance. The isolation hospital staff and two ambulance drivers were also vaccinated and placed under surveillance.

Preliminary laboratory reports on December 4 indicated that the skin eruption in both patients was due to a pox virus. Examination at the Manitoba Virus Laboratory and the National Laboratory of Hygiene in Ottawa of material obtained from the patients later confirmed that this virus was vaccinia virus.

(Reported by Dr. E. Snell, L.R.C.P., D.P.H., Director, Preventive Medical Services, Department of Health, Province of Manitoba, Winnipeg, Canada; Dr. E. W. R. Best, Chief, Epidemiology Division, Department of National Health and Welfare, Ottawa, Canada and Dr. Peter Constantinidis, Deputy Medical Officer of Health, City of Winnipeg.)

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THE EDITOR
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ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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